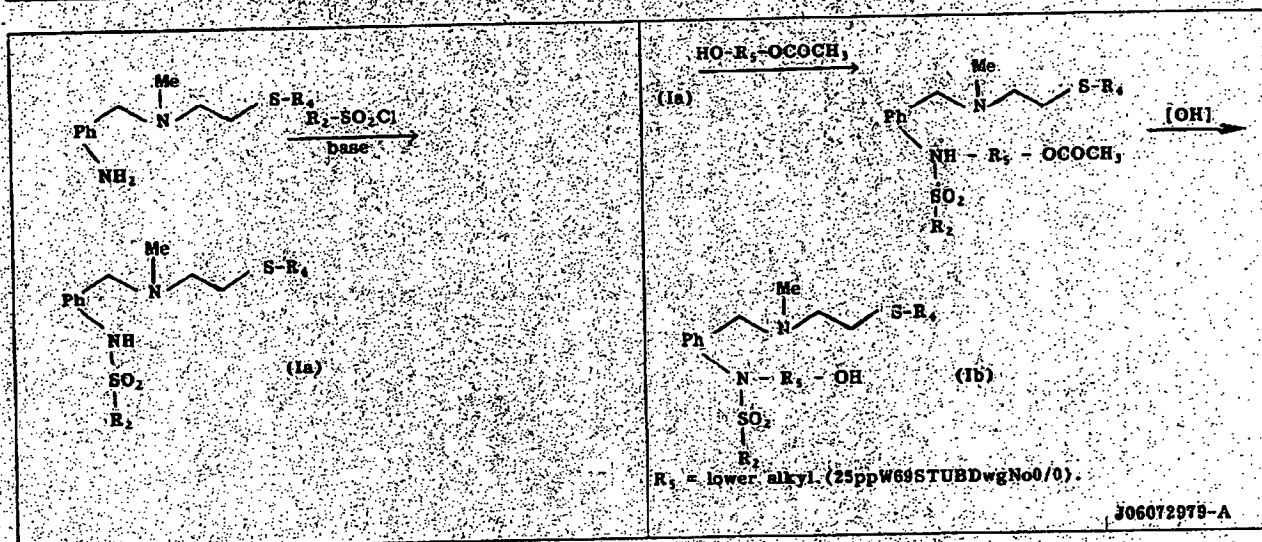


<p>94-122809/16 B05 HTA/92.06.08 HITAKA H. 92.06.08 92JP-171521 (94.03.15) C07C 237/10, A61K 31/165, 31/18, 31/34, 31/38, C07C 31/29, 317/32, C07D 213/42, 215/36, 213/65, 323/20, 307/68, 307/52, 295/12, 213/38, C07C 311/31, 311/21, A61K 31/44, 31/47, 31/495 New amino-benzyl derivs. - useful as anti-ulcer drugs C94-059353</p>	<p>8/6-D2, 6-D3, 7-H, 10-A8, 10-A10, 10-A17, 10-B18, 10-B2D, 1 10-B2F, 10-D3, 14-E8, E(6-D2, 6-D3, 7-A, 7-B1, 7-D4C, 7-D11, 10-A4A, 10-A8A, 10-A8C, 10-A10A, 10-A17A, 8-0195 10-B1A1, 10-B4A2, 10-D3D) substd. with nitro, methoxy, amino, hydroxy, halogen, or acetyl; R₁ = H or methyl; R₂ = phenyl or triazolyl both opt. substd. with methyl, methoxy, halogen or nitro; pyridino, furyl, thienyl, furyl or lower alkyl; X = N, S, piperazino or sulphanyl; Y = sulphonyl or carbonyl; A = methylene, ethyleneoxy, ethylenethio, ethylenesulphanyl or propenylene; and Ph = phenylene opt. substd. with methoxy. USE (1) and their acid addition salts are antiulcer drugs (claimed). PREPARATION (1) is prepd. as follows.</p>
<p>Aminobenzyl cpds. of formula (1) are new</p> $\begin{array}{c} R_3 \\ \\ Ph-CH_2-X-A-R_4 \\ \\ N-R_1 \\ \\ Y \\ \\ R_2 \end{array} \quad (1)$ <p>R₁ = H; lower alkyl opt. substd. with OH, amino, dimethylamino, methoxycarbonylphenyl, guanidino, piperazino, pyridino or pyrrolidinyl; R₂ = quinolyl, isoquinolyl, phenyl, or lower alkyl opt.</p>	<p>J06072979-A</p>



<p>94-122801/16 B05 C03 ASAG 92.08.26 ASAHI GLASS CO. LTD. JP 06072960-A 92.08.26 92JP-250532 (94.03.15) C07C 255/50, B01J 31/02, C07C 253/30 // C07B 61/00 Prepn of 3,4-difluorobenzonitrile with by-prod mono-fluorobenzonitrile controlled comprises reacting 3-chloro-4-fluorobenzonitrile with alkali metal fluoride C94-059354</p> <p>In a new prepn. of 3,4-difluorobenzonitrile, 3-chloro-4-fluorobenzonitrile is reacted with an alkali metal fluoride(s) without solvent in the presence of a catalyst comprising a quat. phosphonium or a pyridinium salt(s). 3-chloro-4-fluorobenzonitrile is pref. prepd. by reacting 3,4-dichlorobenzonitrile with an alkali metal fluoride(s) (claimed). USE/ADVANTAGE - The method gives 3,4-difluorobenzonitrile in a yield of e.g. 85% while controlling effectively formation of the by-prod. monofluorobenzonitrile which is very difficult to separate. 3,4-Difluorobenzonitrile is useful as an intermediate for synthesis of drugs and agrochemicals. In an example, 3,4-dichlorobenzonitrile, spray-dried potassium fluoride and sufficiently dehydrated sulfolane were reacted at 180 deg C with violent stirring for 8 hr. The reaction mixt. was filtered to remove inorganic matter and distd. to obtain 3-chloro-4-fluorobenzonitrile. The cpd. spray-dried potassium fluoride and tetraphenyl phosphonium bromide were then reacted at</p>	<p>B(10-A5) C(10-A5) N(5-D, 5-E1). B0196 245-250 deg.C with violent stirring for 10 hr. The reaction press. reached 5 kg/cm². The reaction mixt. was distd. under reduced pressure in an autoclave to recover the prod. The distillate was analysed in gas chromatography. The distillate contained 3,4-difluorobenzonitrile in a yield of 54.8%. 3-chloro-4-fluorobenzonitrile with a recovery rate of 24.6% and less than 0.1 wt. % monofluorobenzonitrile. (4pp Dwg.No.0/0)</p>
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JAPANESE

(11)Publication number :

06-072979

(43)Date of publication of application : 15.03.1994

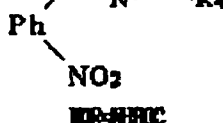
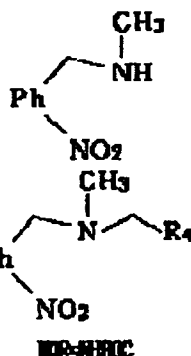
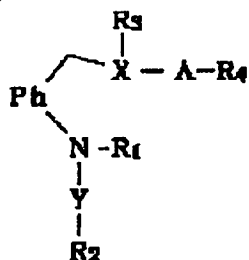
(21)Application number : 04-171521

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(22)Date of filing : 08.06.1992

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(54) AMINO BENZYL DERIVATIVE



(57)Abstract:

PURPOSE: To obtain a new compound, excellent in suppressing effects on gastric acid secretion and inhibiting action on proton pumps and useful as an antiulcer agent with hardly any side effects.

CONSTITUTION: The objective compound of formula I [R1 is H or (substituted) lower alkyl; R2 is quinolyl, phenyl, etc.; R3 is H or methyl; R4 is triazolyl, pyridino, etc.; X is N, S, etc.; Y is sulfonyl or carbonyl; A is methylene, ethylenethio, etc.; Ph is unsubstituted or methoxy-substituted phenylene], e.g. 2-[N-(2-aminoethyl)-N-(5-isoquinolinesulfonyl)]-amino-N-(4-chlorobenzyl)-N-methyl- benzylamine. This compound is obtained by reacting, e.g. 2-nitrobenzaldehyde with methylamine, providing a compound of formula II, then reacting the resultant compound of formula II with a compound of the formula ClCH2R4, subsequently reducing the produced compound of

formula III, successively reacting the prepared compound with a compound of the formula R2SO2Cl and a compound of formula IV (R5 is lower alkyl) and finally reacting the formed product with HCl.